



Soundsafe is the highest performance couplant of the environmentally benign series. Soundsafe HV (high viscosity) has been produced and supplied for specialty applications over the past decade and, due to its continued success, is now being added to Sonotech's line of standard products.

Temperature Operating Range:
0° to 200°F (-18° to 93°C)

Benefits

- Environmentally benign formula
- Increased acoustic impedance for reduced surface noise
- Good surface wetting capability
- Slow drying with excellent transducer lubrication
- Gel viscosity holds on most overhead and vertical surfaces
- Corrosion inhibiting system for ferrous based materials

Safety

- Non-flammable, Non-irritating
- Contains no heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, dyes or fragrances.

Removal

- Water soluble; easily removed with water

Chemical Analysis and Certification
Independent laboratory analysis of Chlorine and Sulfur referencing ASTM procedures is furnished with each shipment at *no additional charge*.

Spectrochemical, Graphite Furnace, Atomic Absorption analysis, or heavy metal certification is available for an additional charge.

Chemistry

Halogens (as Chlorides).....<50 ppm
Sulfur..... <50 ppm
Contains Glycerine

Properties¹

Viscosity.....~200,000 cps
(Brookfield Helipath Spindle E @ 1.5 rpm)
Velocity.....1.60 to 1.65 mm/μsec
Acoustic Impedance.....1.70 to 1.75 MRayls
pH..... 7.8±.5

¹At ambient temperature.

Acoustic Transmission

Optimal transmission requires that an ultrasonic couplant have no air bubbles that can reflect, scatter, and attenuate sound waves. Sonotech's unique processing eliminates couplant air bubbles.

Corrosion Inhibition

Soundsafe contains a ferrous corrosion inhibitor with a relative effectiveness rating of 75, (refer to Sonotech's Quantitative Ultrasonic Couplant Comparison Chart - call for a copy), and is compatible with most composites and metals.

Environmental Awareness

Sonotech developed environmentally benign couplants to minimize impact on the environment. Soundsafe contains biodegradable materials, safe for disposal. The likelihood of skin irritation has been reduced through the use of cosmetic grade ingredients.

Environmentally benign couplants are designed specifically for applications where couplant may not be removed by the inspector but may later be removed by weather, or could come into contact with animals, humans, and waterways.

Packaging

12-ea x 3.2 oz. pump* (90.7g) carton
1-gallon (4 liter) container
5-gallon (18.9 liter) container
15-gallon (56.8 liter) drum
55-gallon (208.2 liter) drum

*Soundsafe HV is available in a unique 3.2 oz. pump for thickness gaging. The non-refillable pump applies the couplant easily to overhead or hard to reach surfaces, can be emptied completely, does not require 'shaking' which induces air bubbles into the gel, and is easy to carry.

